

IN THE UNITED STATES DISTRICT COURT  
FOR THE NORTHERN DISTRICT OF CALIFORNIA

NELLCOR PURITAN BENNET, INC, et  
al

No C 04-1934 VRW

ORDER

Plaintiffs,

v

PORTEX, INC, et al

Defendants.

On February 11, 2005, the court held a claim construction hearing pursuant to Markman v Westview Instruments, Inc, 517 US 370 (1996). Based on the parties' arguments at the hearing and their submissions to the court, the court issues the following claim construction order.

There are three patents-in-suit, all relating to inventions in the field of endotracheal catheters (used, for example, in resuscitation) and associated devices to determine whether the catheter has been correctly inserted. For ease of cross-reference to the parties' submissions, the court discusses

1 the patents and construes their terms in the same sequence as the  
2 patents appear in the parties' submissions. As the court writes  
3 principally for the parties, it will not discuss the details of the  
4 inventions or define terms well-known to those skilled in the art,  
5 except as is necessary to construe the claims of the patents.

6  
7 I

8 United States Patent No 4,879,999 (the "'999 patent"),  
9 granted to Basil C Lehman et al on November 14, 1989, discloses "an  
10 endotracheal device \* \* \* with a colorimetric carbon dioxide  
11 indicator." '999 patent, Abstract. The device indicates "proper  
12 intratracheal placement \* \* \* by detecting \* \* \* the presence of  
13 carbon dioxide in expired air passing through the device." Id.  
14 Plaintiffs assert that defendants infringe claims 3, 6-10, 13-17,  
15 20-23, and 25 of the '999 patent. Doc #45 at 1.

16 United States Patent No 5,166,075 (the "'075 patent"),  
17 granted to Carl G Fehder on November 24, 1992, discloses a method  
18 for "determining whether respiratory gas is present in a gaseous  
19 sample." '075 patent, Abstract. The method functions by bringing  
20 the gaseous sample into contact with "an indicator which yields an  
21 indication within a diagnostically effective period of time of the  
22 presence \* \* \* of carbon dioxide in concentration of at least 2%."  
23 Id. Additionally, the indicator provides an indication of "the  
24 presence of carbon dioxide in a sample of ambient air \* \* \* delayed  
25 beyond a predetermined period of time." Id. Plaintiffs assert  
26 that defendants infringe claims 1, 2, 4, 6-8, 15, 18-22, 24, and 25  
27 of the '075 patent. Doc #45 at 1.

28 US Patent No 5,179,002 (the "'002 patent"), granted

1 January 12, 1993, also to Carl G Fehder, describes an apparatus  
2 "for determining whether respiratory gas is present in a gaseous  
3 sample." '002 patent, Abstract. An indicator "yields an  
4 indication within a diagnostically effective period of time of the  
5 presence of \* \* \* carbon dioxide in concentrations of at least 2%  
6 while an indication of \* \* \* carbon dioxide or other trace acidic  
7 gas in \* \* \* ambient air is delayed." Id. Plaintiffs assert that  
8 defendants infringe claims 1, 2, 4-9, 12, 22-24, and 25 of the '002  
9 patent. Doc #45 at 1.

## 11 II

12 The construction of patent claims is a question of law to  
13 be determined by the court. Markman v Westview Instruments, Inc,  
14 517 US 370 (1996). The goal of claim construction is "to interpret  
15 what the patentee meant by a particular term or phrase in a claim."  
16 Renishaw PLC v Marposs SpA, 158 F3d 1243, 1249 (Fed Cir 1998). In  
17 determining what a patentee meant by a term or phrase, the court  
18 looks first to the claim itself.

19 The claims of the patent provide the concise formal  
20 definition of the invention. They are the numbered  
21 paragraphs which "particularly [point] out and distinctly  
22 [claim] the subject matter which the applicant regards as  
23 his invention." 35 USC § 112. It is to these wordings  
24 that one must look to determine whether there has been  
infringement. Courts can neither broaden nor narrow the  
claims to give the patentee something different than what  
he has set forth. No matter how great the temptations of  
fairness or policy making, courts do not rework claims.  
They only interpret them.

25 EI Du Pont de Nemours & Co v Phillips Petroleum Co, 849 F2d 1430,  
26 1433 (Fed Cir 1988).

27 "The claims define the scope of the right to exclude; the  
28 claim construction inquiry, therefore, begins and ends in all cases

1 with the actual words of the claim." Renishaw, 158 F3d at 1248.  
2 "The words used in the claim are viewed through the viewing glass  
3 of a person skilled in the art." Brookhill-Wilk 1, LLC v Intuitive  
4 Surgical, Inc, 326 F3d 1215, 1220 (Fed Cir 2003) (citing Tegal Corp  
5 v Tokyo Electron Am, Inc, 257 F3d 1331, 1342 (Fed Cir 2001)).  
6 "Absent a special and particular definition created by the patent  
7 applicant, terms in a claim are to be given their ordinary and  
8 accustomed meaning." York Prods, Inc v Central Tractor Farm &  
9 Family Ctr, 99 F3d 1568, 1572 (Fed Cir 1996). The court may, if  
10 necessary, consult a variety of sources to determine the ordinary  
11 and customary meaning of a claim term, including the claim terms  
12 themselves, dictionaries, the written description, the drawings and  
13 the prosecution history, if in evidence. Brookhill-Wilk 1, 326 F3d  
14 at 1220. "Such intrinsic evidence is the most significant source  
15 of legally operative meaning of disputed claim language."  
16 Vitronics Corp v Conceptronic, Inc, 90 F3d 1576, 1582 (Fed Cir  
17 1996). With respect to dictionary definitions, "[i]f more than one  
18 dictionary definition is consistent with the use of the words in  
19 the intrinsic record, the claim terms may be construed to encompass  
20 all such consistent meanings." Texas Digital Systems, Inc v  
21 Telegenix, Inc, 308 F3d 1193, 1203 (Fed Cir 2002).

22           The court begins its construction of claim terms by  
23 consulting intrinsic evidence of the meaning of disputed claim  
24 terms, which includes the claims, the specification and the  
25 prosecution history (if in evidence). Lacks Industries, Inc v  
26 McKechnie Vehicle Components USA, Inc, 322 F3d 1335, 1341 (Fed Cir  
27 2003) (citation omitted). "If upon examination of this intrinsic  
28 evidence the meaning of the claim language is sufficiently clear,

1 resort to 'extrinsic' evidence, such as treatises and technical  
2 references, as well as expert testimony when appropriate, should  
3 not be necessary." Digital Biometrics, Inc, v Identix, Inc, 149  
4 F3d 1335, 1344 (Fed Cir 1998). "[I]f after consideration of the  
5 intrinsic evidence, there remains doubt as to the exact meaning of  
6 the claim terms, consideration of extrinsic evidence may be  
7 necessary to determine the proper construction." *Id.*

8 "[A] court may constrict the ordinary meaning of a claim  
9 term in \* \* \* one of four ways[:]" (1) "if the patentee acted as  
10 his own lexicographer and clearly set forth a definition of the  
11 disputed claim in either the specification or prosecution history;"  
12 (2) if the intrinsic evidence shows that the patentee distinguished  
13 the term from prior art on the basis of a particular embodiment,  
14 expressly disclaimed subject matter, or described a particular  
15 embodiment as important to the invention; (3) "if the term chosen  
16 by the patentee so deprives the claim of clarity as to require  
17 resort to other intrinsic evidence for a definite meaning; and (4)  
18 "if the patentee phrased the claim in step- or means-plus-function  
19 format," then "a claim term will cover nothing more than the  
20 corresponding structure or step disclosed in the specification, as  
21 well as equivalents thereto \* \* \*." CCS Fitness, Inc v Brunswick  
22 Corp, 288 F3d 1359, 1366-67 (Fed Cir 2002) (internal citations and  
23 quotation marks omitted).

24 Limitations from the specification, such as from the  
25 preferred embodiment, cannot be read into the claims absent an  
26 express intention to do so. Teleflex, Inc v Ficosa North Am Corp,  
27 299 F3d 1313, 1326 (Fed Cir 2002) ("The claims must be read in view  
28 of the specification, but limitations from the specification are

1 not to be read into the claims." ). But "a construction that  
2 excludes a preferred embodiment 'is rarely, if ever, correct.'"  
3 C R Bard, Inc v United States Surgical Corp, 388 F3d 858, 865 (Fed  
4 Cir 2004) (citing Vitronics, 90 F3d at 1583) .

5 "A claim limitation that actually uses the word 'means'  
6 invokes a rebuttable presumption that [35 USC] § 112 P 6 applies.  
7 By contrast, a claim term that does not use 'means' will trigger  
8 the rebuttable presumption that § 112 P 6 does not apply." CCS  
9 Fitness, Inc v Brunswick Corp, 288 F3d 1359, 1369 (Fed Cir 2002) .  
10 Furthermore, the "presumption flowing from the absence of the term  
11 'means' is a strong one that is not readily overcome." Lighting  
12 World, Inc v Birchwood Lighting, Inc, 382 F3d 1354, 1358 (Fed Cir  
13 2004) .

14 With these legal principles in mind, the court now turns  
15 to the construction of the disputed claim language of the three  
16 patents-in-suit.

### 18 III

#### 19 The '999 Patent

#### 20 A

21 The parties parse the elements of '999 claims  
22 differently, making it difficult directly to compare their proposed  
23 term constructions. Claim 3 is illustrative of the parties' main  
24 disagreements:

25 3. An endotracheal device comprising:

26 (a) a first tubular housing  
27 having a first and second end,  
28 the first end adapted for  
insertion into a patient's  
trachea and the second end

1 adapted for placement external  
2 of the patient, the first  
3 tubular housing defining lumen  
4 means therethrough from the  
5 first end to the second end;

6 (b) a second housing attached to  
7 the second end of the first  
8 tubular housing, said second  
9 housing defining lumen means  
10 therethrough communicating with  
11 and forming an extension of the  
12 lumen means of the first  
13 housing, the lumen means of both  
14  housings for allowing  
15 bidirectional passage of air  
16 into and out of the patient to  
17 ventilate the patient's lungs;  
18 and

19 (c) colorimetric carbon dioxide  
20 indicator means mounted within  
21 the lumen means of said second  
22 housing for determining the  
23 presence of carbon dioxide  
24 therein while still permitting  
25 unimpeded bidirectional flow of  
26 air through the housings to  
27 ventilate the lungs of the  
28 patient.

1. a first tubular housing

The parties do not dispute the construction of this term.  
Accordingly, the court declines to construe this term.

2. lumen means therethrough from the first end to the second end

The parties disagree on how to define the lumen means-plus-function element of the asserted claims. Both parties agree that the "lumen means" element of claim 3 is governed by 35 USC § 112, ¶6. Doc #60 at 15, Doc #65 at 2. Therefore, the court must determine (1) the claimed function, and (2) the corresponding structures recited within the patent specification that provide a

1 means for performing the claimed function. See Kemco Sales, Inc v  
2 Control Papers Co, Inc, 208 F3d 1352, 1361 (Fed Cir 2000).

3           The first use of the term "lumen means" is contained in  
4 clause (a) of claim 3 as shown above. "Therethrough" refers to the  
5 first housing and indicates that the lumen proceeds from the first  
6 end of the first housing through the second end of the first  
7 housing. It is important to note that although the means term is  
8 used in this clause, a function has not yet been defined for the  
9 means and as such the means-plus-function element is incomplete for  
10 analysis at this point in the claim.

11  
12 3. a second housing

13           Plaintiffs propose that "a second housing" be construed  
14 as "a housing, formed of one or more components, that need not be  
15 in tubular configuration." Doc #45 at 7. Defendants argue that a  
16 second housing should be construed as "a single housing," and  
17 further argue that because the second housing defines a lumen means  
18 which is an "extension" of the lumen means of the first housing,  
19 "the combination must have a second end so that the combination is  
20 a true extension of the first housing." Doc #68 at 3.

21           Defendants incorrectly attempt to add an additional  
22 limitation in the form of a second end on the second housing.  
23 Claim 3 recites the second housing without reference to any ends.  
24 The plain meaning of "extension" does not require an extension to  
25 be in the exact form of the shape it extends. Similarly,  
26 plaintiffs' attempt to broaden the definition of "housing" to  
27 encompass housings made of one or multiple components is  
28 unwarranted; the claim literally reads upon "a second housing."



1 Whether the second housing can be made of more than one component  
2 is an issue for the doctrine of equivalents, not claim  
3 construction. See Dawn Equipment Co v Kentucky Farms, 140 F3d  
4 1009, 1016 (Fed Cir 1998) (explaining that the trier of fact  
5 applies the "function-way-result" test and the "insubstantial  
6 differences test" to determine whether a claim is infringed under  
7 the doctrine of equivalents). Thus, the court construes "second  
8 housing" to mean a single housing, that need not be in tubular  
9 configuration.

10  
11 4. attached

12 Plaintiffs argue that "attached" should be construed to  
13 mean "connected directly or through one or more intermediate  
14 structures." Doc #45 at 7. Defendants propose "connected  
15 directly." Again, plaintiffs attempt to enlarge the scope of the  
16 claim language to bring the doctrine of equivalents into literal  
17 claim interpretation. After reading the term in light of the  
18 specification and claim language, the court construes "attached" as  
19 connected directly. Nowhere in the specification are the housings  
20 described as "connected through one or more intermediate  
21 structures." Therefore, whether claim 3 reads upon a structure  
22 connected through one or more intermediate structures is an issue  
23 to be considered under the doctrine of equivalents by the trier of  
24 fact, not by the court in claim construction. Dawn Equipment, 140  
25 F3d at 1016.

26 /

27 /

28 /

1 5. lumen means therethrough communicating with and forming an  
2 extension of the lumen means of the first housing

3 The second use of the term "lumen means" is contained in  
4 clause (b) of claim 3 as shown above. In this clause,  
5 "therethrough" refers to the second housing, which is not limited  
6 by any language requiring either a first end or a second end. This  
7 clause adds to the definition of the lumen means by showing that it  
8 extends through the first housing and into the second housing.  
9 Although the lumen means is further defined by this language, a  
10 function has not yet been identified at this point in the claim,  
11 and as such the means-plus-function element is incomplete for  
12 analysis as a whole.

13 6. lumen means of both housings for allowing bidirectional  
14 passage of air into and out of the patient to ventilate the  
15 patient's lungs

16 This language defines the function of the lumen means and  
17 is the crux of parties' dispute. The court is tasked with (1)  
18 identifying the claimed function of the means, and (2) identifying  
19 the corresponding structures in the specification that perform the  
20 claimed function. Kemco Sales, Inc v Control Papers Co, 208 F3d  
21 1352, 1361 (Fed Cir 2000). Accordingly, to be claimed in claim 3,  
22 the corresponding structures of the lumen means must perform the  
23 function of "allowing bidirectional passage of air into and out of  
24 the patient to ventilate the patient's lungs."

25 Plaintiffs argue for a plain meaning construction of the  
26 function. Defendants propose a construction that removes the  
27 permissive word "allowing" and requires that the lumen means have a  
28 second end. Doc #68 at 6. As discussed above, neither a first nor

1 a second end of the second housing is recited in the claim and  
2 therefore, the court rejects defendants' arguments regarding the  
3 nature of the lumen means "extension" through a second end of the  
4 combination. Defendants additionally argue that because the patent  
5 examiner required an amendment to recite that the lumen means of  
6 "both housings allow the bidirectional flow of air," the plaintiffs  
7 are barred by prosecution history estoppel from claiming all of the  
8 disclosed embodiments. Doc #68 at 6. Specifically, defendants  
9 argue that this amendment requires the corresponding structures to  
10 be limited to those describing "one continuous lumen means," and  
11 therefore, the embodiment depicted in figure five is excluded. Id  
12 at 6-7.

13 But it is a non sequitur to argue that if (1) both  
14 housings allow bidirectional flow, and (2) the lumen means of the  
15 second housing is an extension of the lumen means of the first  
16 housing; then the extension through the second housing must be in  
17 the same direction, shape and manner as the lumen means of the  
18 first housing so as to require bidirectional flow through both  
19 housings. "Allowing" is a permissive term, and the plain meaning  
20 of the word and the patent specification lead the court to accept  
21 the plain meaning construction. Therefore, the court adopts  
22 plaintiffs' proposed construction and construes the function of the  
23 corresponding structures to be "allowing bidirectional passage of  
24 air into and out of the patient to ventilate the patient's lungs."

25 Plaintiffs propose that this means-plus-function clause  
26 be construed so that the corresponding structures of the lumen  
27 means of both housings are "the hollow bodies of the first and  
28 second housings described and illustrated in the specification, and

1 their equivalents that define one or more luminal air flow paths or  
2 channels." Doc #45 at 9. Defendants propose that "lumen means" as  
3 recited in claims 3, 6, 7, 10, 13, 15, 17, 20-22 and 25 be  
4 construed as "limited to the spaces defined by the rigid structures  
5 described in the specification of the '999 patent" and further  
6 modified by the limitations in each claim. Doc #60 at 15.  
7 Additionally, defendants reiterate their argument that "both  
8 housings" in combination must be limited to structures with a first  
9 end and a second end in order to allow bidirectional passage of  
10 air, which, since the housings define the lumen means, requires  
11 that it have a first and second end as well. Id at 17.

12 In construing a § 112, ¶6 claim, a court may not import  
13 functional limitations that are not recited in the claim, or  
14 structural limitations from the written description that are  
15 unnecessary to perform the claimed function. Wenger Manufacturing  
16 Inc v Coating Machinery Systems, Inc, 239 F3d 1225, 1233 (Fed Cir  
17 2001). Defendants' construction attempts to introduce an unclaimed  
18 limitation to the structures defined by the lumen means in the form  
19 of the adjective rigid. Similarly, defendants' construction  
20 attempts to require the limitation of a second end on the second  
21 housing, which is unsupported by the claim language.

22 Plaintiffs' proposed construction, however, proposes the  
23 introduction of additional language, so that the lumen means  
24 explicitly defines "one or more luminal air flow paths or  
25 channels." Doc #45 at 9. Claim 3 contains no mention of air flow  
26 paths or channels, and thus plaintiffs' construction impermissably  
27 introduces unclaimed structure to clarify the means-plus-function  
28 element. Therefore, the court construes the corresponding

1 structures of the "lumen means" to include all structures described  
2 in the patent specification going through a first end of a first  
3 housing through a second end of the first housing and communicating  
4 with and extending through a second housing -- regardless of air  
5 flow paths or channels.

6 In sum, the court construes the lumen means-plus-function  
7 element of claim 3 to read upon: all structures described in the  
8 specification of the '999 patent (1) defined by going through a  
9 first end of a first housing through a second end of the first  
10 housing, and communicating with and extending through a second  
11 housing (2) that perform the function of "allowing bidirectional  
12 passage of air into and out of the patient to ventilate the  
13 patient's lungs."

14  
15 7. colorimetric carbon dioxide indicator means mounted within the  
16 lumen means of said second housing

17 Like the lumen means in clauses (a) and (b), the  
18 indicator means-plus-function element is incomplete for analysis  
19 until its function has been identified. In light of the  
20 corresponding structures that perform the function identified later  
21 in the claim, this clause limits the indicator means of claim 3 to  
22 those structures "mounted within the lumen means of the second  
23 housing." Defendants, again relying on a definition of lumen means  
24 that requires a second end and bidirectional flow through all  
25 sections, argue that certain embodiments shown in the '999 figures  
26 are not claimed in claim 3. As addressed above, this argument is  
27 in error. Therefore, "mounted within the lumen means of the second  
28 housing" is simply construed as the plain meaning of "mounted

1 within" in light of the court's constructions of second housing and  
2 lumen means above.

3  
4 8. for determining the presence of carbon dioxide therein

5 This clause defines the function performed by the  
6 colorimetric carbon dioxide indicator means ("indicator means").  
7 The parties do not argue over the function itself. Rather, they  
8 disagree about which corresponding structures disclosed in the  
9 specification are capable of performing this function, i e, which  
10 structures determine the presence of carbon dioxide within the  
11 lumen means of the second housing. Plaintiffs argue that the  
12 indicator means is described by the specification as "hydrazine and  
13 other disclosed compounds that cause a pH change \* \* \* in  
14 combination with a colorimetric pH indicator." Doc #65 at 8.  
15 Defendants argue that the indicator means should be "limited to an  
16 indicator substance in a solid support where the indicator  
17 substance is limited to the carbon dioxide indicator composition  
18 disclosed in the specification, namely, hydrazine, or its  
19 equivalents." Doc #60 at 20.

20 Defendants' attempt to introduce the "in a solid support"  
21 limitation to the claim is in error. The court will not introduce  
22 an unclaimed limitation into a means plus function claim, even if  
23 the limitation is recited in the specification. Wenger  
24 Manufacturing, 239 F3d at 1233. Therefore, to the extent that the  
25 patent specification describes corresponding structures capable of  
26 performing the claimed function within the limitations of the  
27 claim, those corresponding structures are claimed by claim 3,  
28 whether or not they are disclosed as being within a solid support.

1 Defendants attempt to limit the corresponding structures  
2 of the indicator means to hydrazine on the basis that the inventors  
3 used hydrazine in the actual reduction to practice. Doc #60 at 20.  
4 Defendants argued at oral argument that in order to perform the  
5 function of the means-plus-function clause, the corresponding  
6 structure must "work." Plaintiffs argued that actual reduction to  
7 practice is irrelevant because everything disclosed in the patent  
8 application is treated as constructively reduced to practice, and  
9 as such, it is a proper subject matter for corresponding  
10 structures. Plaintiffs also properly argued that defendants'  
11 actual-reduction-to-practice argument is an invalidity argument (i  
12 e, if a corresponding structure is incapable of performing the  
13 claimed function, then the claim is invalid under 35 USC § 112, ¶1  
14 because it fails to enable one skilled in the art to practice the  
15 invention), which is not for the court to consider during claim  
16 construction.

17 Accordingly, the court adopts plaintiffs' construction and  
18 construes "colorimetric carbon dioxide indicator means" to cover  
19 combinations of (1) a compound disclosed in the patent  
20 specification for causing a pH change with (2) a colorimetric pH  
21 indicator disclosed in the patent specification for determining the  
22 presence of carbon dioxide within the lumen means of the second  
23 housing.

24  
25 9. while still permitting unimpeded bidirectional flow of air  
26 through the housings to ventilate the lungs of the patient.

27 Defendants argue, based on dictionary definitions and  
28 prosecution history estoppel, that "unimpeded" should be construed

1 as "unrestricted." Doc #60 at 18; Doc #68 at 8. Defendants also  
2 point to a dictionary definition in support of this construction,  
3 where impede means "to interfere with or get in the way of the  
4 progress of," or is a synonym for "hinder." Doc #60, Ex 13.

5 Defendants' strongest patent prosecution history estoppel  
6 argument is based upon the patent examiner's reexamination analysis  
7 of the term "impeded" as it was used to distinguish claims from the  
8 prior art. Doc #61, Ex 25 at 2. Pursuant to 35 USC § 302, ICOR  
9 AB, a Swedish corporation and apparently a non-party to this  
10 litigation, requested a reexamination of the '999 patent in light  
11 of several previously unconsidered references. Doc #61, Ex 23. In  
12 its request for reexamination, ICOR AB argued for roughly the  
13 opposite construction to defendants' proposed construction, asking  
14 the examiner to find that this clause was essentially a non-  
15 limitation because "no patient can breath through an impediment."  
16 In response to this argument, the examiner considered the Adriani  
17 reference, which described soda lime crystals impregnated with dyes  
18 that changed colors in response to pH changes within a to-and-fro  
19 cannister through which a patient under anesthesia breathed. File  
20 History SN 90/003,808, at DFH00835-842.

21 In confirming patentability after reexamination, the  
22 examiner noted:

23 The claims do not require the patient breath[e]  
24 through a[n] impediment or that merely  
25 bidirectional flow be permitted but rather to  
26 permit unimpeded flow. Bidirectional flow may  
27 still exist where there is an impediment but be  
28 retarded or hindered thereby, i.e. a lesser  
degree of bidirectional flow exists or impeded  
bidirectional flow exists. Requestor's  
interpretation of "impeded", i.e. not allowing  
any flow, and thus the converse term  
"unimpeded" differs in scope from the broadest



1 reasonable interpretation of such terms."

2 Doc #62, Ex 25 at 2.

3 In other words, in confirming patentability of the '999  
4 patent over the prior art submitted in the reexamination request,  
5 the examiner found that this limitation's recitation of "unimpeded"  
6 meant the bidirectional flow must be "unrestricted" or the converse  
7 of "not allowing any flow." Id. This determination allowed the  
8 patent claims to remain patentable in light of the Adriani  
9 reference whereby the airflow through the canister resulted in  
10 "impedance to the flow of gases" both from the soda lime granules  
11 in the inhaler as well as from the valves and tubes causing  
12 "turbulent flow and friction." DFH000840. In light of the  
13 dictionary definitions submitted by defendant and the plain meaning  
14 of the claim language, the court agrees with the examiner's  
15 construction of the word "unimpeded."

16 While the examiner's reexamination construction is  
17 instructive on the interpretation of "unimpeded," it is not  
18 controlling. This is not a case of prosecution history estoppel,  
19 because here, the patentee did not "forgo an appeal and submit an  
20 amended claim, [which was] taken as a concession that the invention  
21 as patented does not reach as far as the original claim." Festo  
22 Corp v Shoketsu Kinzoku Kogyo Kabushiki Co, 535 US 722, 734.  
23 Defendants correctly argue that "claims may not be construed [by  
24 the inventor] one way in order to obtain their allowance and in a  
25 different way against accused infringers." Doc #60 at 19. This  
26 principle applies with equal force to arguments made by a patentee  
27 to sustain the patentability of claims during reexamination.  
28 Spectrum International v Sterilite Corp, 164 F3d 1372, 1379.

1 But the patentee is under "no obligation to respond to an  
2 examiner's statement of Reasons for Allowance, and the statement of  
3 an examiner will not necessarily limit a claim." Eolas Techs, Inc  
4 v Microsoft Corp, -- F3d -- , --; 2005 US App LEXIS 3476, 31 (Fed  
5 Cir 2005) (quoting ACCO Brands, Inc v Micro Security Devices, Inc,  
6 346 F3d 1075, 1078 (Fed Cir 2003)). In the case at bar, defendants  
7 have not shown that patentees made a limitation in acceptance of  
8 the examiner's reexamination construction or advanced an argument  
9 to overcome the prior art. In fact, the reexamination history  
10 submitted to the court does not contain any arguments advanced by  
11 the patentee in response to ICOR's ex parte reexamination notice.  
12 Doc #62, Ex 23-25; File History SN 90/003,808 binder.

13 In contrast to reexamination, the patentee did assert  
14 arguments to the patent office during ordinary prosecution of this  
15 claim limitation. Those arguments show that the patentee intended  
16 this limitation to mean that the bidirectional flow of air to the  
17 patient must be unimpeded. Doc #61 Ex 19 at 13. But the  
18 inventor's arguments also make it clear that the limitation was  
19 meant to require unimpeded airflow only through the bidirectional  
20 pathway

21 to the patient, and did not necessarily apply to other airflow:

22 In the same fashion, while flow may be  
23 partially impeded through the side-arm 24 of  
24 the figure 5 embodiment (e g, when cap 40 is in  
25 place), in no way is the bidirectional flow of  
26 air to the patient impeded, as represented by  
27 flow through the primary luminal path 6.

28 Id.

Therefore, the court adopts defendants' construction of  
the term "unimpeded," but interprets the entire limitation in light

1 of the patent prosecution history and specification such that it is  
2 only the bidirectional passage of air to the patient that must be  
3 unrestricted.

4  
5 B

6 At oral argument, the parties agreed that construing  
7 claim 3 would resolve the majority of issues relating to the '999  
8 patent. Plaintiffs' opening brief argues for construction of three  
9 terms outside of claim 3 of the '999 patent: "indicator substance"  
10 as it first appears in claim 7; "a passage therethrough which  
11 defines the housing lumen means" as it first appears in claim 8;  
12 and "within the passage of the connector" as it first appears in  
13 claim 8.

14  
15 1. indicator substance

16 Defendants argue that "indicator substance," as it first  
17 appears in claim 7, should be construed as a means-plus-function  
18 element. Doc #68 at 9. Furthermore, defendants argue that the  
19 corresponding structures of the indicator substance should not  
20 encompass all indicators listed in the specification, but should  
21 instead be limited to "hydrazine, or its equivalents." Doc #68 at  
22 9. Plaintiffs' proposal appears to accept that "indicator  
23 substance" should be construed as a means-plus-function element  
24 because it is written in terms of "the structures and materials  
25 described in the specification \* \* \* that perform the function of  
26 providing a visually observable color change in the presence of air  
27 that contains carbon dioxide in a concentration that is normally  
28 present in expired respiratory gas." Doc #45 at 15.

1           The fundamental difference between the proposed  
2 constructions is that plaintiffs' proposal both defines the  
3 function performed by the indicator substance and includes all  
4 corresponding structures listed in the patent specification that  
5 perform that function, while defendants' construction neglects to  
6 define the function and attempts to limit the corresponding  
7 structures to hydrazine or its equivalents.

8           Defendants do not challenge the function proposed by  
9 plaintiffs, and they summarily state that the indicator chemistry  
10 must be limited to hydrazine or its equivalents, the same argument  
11 that the court has rejected in construing "for determining the  
12 presence of carbon dioxide therein." Doc #68 at 9. Defendant  
13 further argues that "indicator substance" should be limited to "an  
14 indicator substance in a solid support." Doc #60 at 20. This  
15 interpretation directly contradicts the language of claim 7, which  
16 states that the indicator means "comprises a colorimetric carbon  
17 dioxide indicator substance and solid support means." It is  
18 illogical to interpret "indicator substance" as requiring a solid  
19 support when the claim explicitly lists the element of a solid  
20 support on its own.

21           Plaintiffs' proposal contains the language, "and their  
22 equivalents." Doc #45 at 15. It is well settled that "for the  
23 court to find infringement the plaintiff must show the presence of  
24 every element or its substantial equivalent in the accused device."  
25 Lemelson v United States, 752 F2d 1538, 1551 (Fed Cir 1985). If  
26 necessary, the finder of fact will consider the doctrine of  
27 equivalents as it pertains to all claims; accordingly, the court  
28 will not construe any terms by using unnecessary language

1 regarding equivalents.

2           The court adopts plaintiffs' construction with the  
3 exception of the equivalents language and construes "indicator  
4 substance" as "the structures and materials described and  
5 illustrated in the specification that perform the function of  
6 providing a visually observable color change in the presence of air  
7 that contains carbon dioxide in a concentration that is normally  
8 present in expired respiratory gas."

9  
10 2. a passage therethrough which defines the housing lumen means,  
11 and the indicator means is mounted within the passage of the  
connector.

12           Plaintiffs propose that "passage," as it first appears in  
13 claim 8, be construed as "one or more passages that extend through  
14 the tubing connector and define the lumen means of the second  
15 housing." Doc #45 at 15. Defendants argue that "a passage," when  
16 read in light of the rest of the claim language -- particularly,  
17 "within the passage" -- must be limited to a single passage. Doc  
18 #68 at 9-10. Defendants' attempt to limit claim 8 to read upon  
19 only those second housings in which the tubing connector has one  
20 and only one passage therethrough is misplaced. Nothing in the  
21 claim language suggests this limitation.

22           The reference to "the passage" simply requires that the  
23 indicator means is mounted within the passage that satisfies the  
24 "passage therethrough which defines the housing lumen means"  
25 requirement of this claim; it says nothing about excluding  
26 alternate embodiments that otherwise meet all of the claim  
27 elements. Accordingly, the court construes claim 8 to read upon  
28 (1) any endotracheal device read upon by claim 3 (2) where the

1 second housing includes a tubing connector having a passage  
2 therethrough which defines the housing lumen means (as construed  
3 above) (3) and the indicator means (as construed above) is mounted  
4 within the passage of the connector.

5  
6 III

7 The '075 Patent

8 The parties' central disagreement about the construction  
9 of claims in the '075 patent concerns water, and the terms used to  
10 describe its presence in the claimed invention, an apparatus for  
11 determining whether respiratory gas is present in a gaseous sample.  
12 Terms construed for the '075 patent have the same construction in  
13 the '002 patent unless otherwise stated. Claim 1 is illustrative:

14 A method for determining whether a gaseous  
15 sample contains a predetermined concentration  
of carbon dioxide, comprising the step of:

16 contacting the gaseous sample with a dry  
17 reagent detector comprising a carrier having an  
18 aqueous indicating composition applied thereto  
19 for providing an indication of the presence of  
the predetermined concentration of carbon  
dioxide in the sample within a diagnostically  
effective period of time when the carbon  
dioxide concentration in the sample is at least  
20 about 2% and providing said indication after  
21 about ten minutes when the carbon dioxide  
concentration in the sample is about 0.03%.

22  
23 1. dry reagent detector

24 The parties agree that the term "dry reagent detector,"  
25 which first appears in claim 1, includes detectors that contain  
26 some water. Doc #68 at 11, n5. Therefore, the court adopts  
27 plaintiff's construction, "a detector having an immobilized reagent  
28 with excess liquid removed but which may contain some water." Doc

1 #45 at 19.

2  
3 2. aqueous indicating composition

4 Plaintiffs argue for the construction of "an indicating  
5 composition containing some water." Doc #45 at 19. Defendants  
6 argue that this term refers to "an indicator composition that  
7 functions in liquid water." Doc #68 at 12. Both parties dedicated  
8 a considerable portion of their briefing and oral argument to the  
9 definition of the term "aqueous." In doing so, both parties  
10 pointed to relevant portions of the specification, expert testimony  
11 and dictionary definitions in support of their proposed  
12 constructions. Markman Hearing, plaintiffs' slides 25-27;  
13 defendants' slides 49-54.

14 Plaintiffs' construction, as the broader of the two, does  
15 not exclude any of the dictionary definitions, expert testimony or  
16 portions of the specification cited by defendants. On the other  
17 hand, defendants' construction requires limitation of the  
18 dictionary definition submitted by plaintiff and discounts portions  
19 of the testimony of the named inventor. Neither party has shown  
20 that the other party's construction directly conflicts with the  
21 specification or the prosecution history.

22 The Federal Circuit has held that "[i]f more than one  
23 dictionary definition is consistent with the use of the words in  
24 the intrinsic record, the claim terms may be construed to encompass  
25 all such consistent meanings." Texas Digital Systems, Inc v  
26 Telegenix, Inc, 308 F3d 1193, 1203 (Fed Cir 2002). On this legal  
27 principle alone, the court would adopt plaintiffs' proposed  
28 construction. Additionally, defendants' use of "functions in"

1 imports a limitation to the claim language that is neither in the  
2 plain language meaning of the claim, nor found in any of the  
3 submitted dictionary definitions. Accordingly, the court adopts  
4 plaintiffs' proposition and construes aqueous indicating  
5 composition as "an indicating composition containing some water."

7 3. and providing said indication after about ten minutes when the  
8 carbon dioxide concentration in the sample is about 0.03%

9 Defendants argue that the plain meaning construction of  
10 "after about ten minutes" is equivalent to "at or about ten  
11 minutes." Doc #68 at 14. Plaintiffs contend that the plain  
12 meaning of "after" is not equivalent to "at or about." Doc #45 at  
13 20. The prosecution history shows that the patent examiner  
14 requested an examiner's amendment to change the claim language from  
15 "but not providing said indication for more than about ten minutes"  
16 to its present form. Doc #62, Ex 27 at 2, Exs 28-29. The patentee  
17 had a right to object to the examiner's requested amendment and  
18 appeal the examiner's rejection but opted instead to accept the  
19 amendment so that the claim would be allowed. Id. When a patentee  
20 forgoes the option to appeal and instead submits an amended claim,  
21 it is "taken as a submission that the invention as patented does  
22 not reach as far as the original claim." Festo Corp v Shoketsu  
23 Kinzoku Kogyo Kabushiki Co, 535 US 722, 734 (2002).

24 Plaintiffs' construction impermissably attempts to  
25 recapture the open-ended limitation that was given up during patent  
26 prosecution in order to get the claims in a condition for  
27 allowance. Accordingly, the court adopts defendants' proposal and  
28 construes "after about ten minutes" to mean "at or about ten



1 minutes."

2  
3 4. a dried non-volatile indicating element

4 Defendants contend that "indicating element," as it first  
5 appears in asserted claim 18, must be construed as a means-plus-  
6 function element under § 112, ¶6 because the indicating element is  
7 described "exclusively by the function it performs." Doc #68 at  
8 11. The absence of the word "means" in a claim element creates a  
9 presumption that the element should not be construed under 35 USC §  
10 112, ¶6. Linear Technology Corp v Impala Linear Corp, 379 F3d  
11 1311, 1319 (Fed Cir 2004). To overcome this presumption, the  
12 proponent of interpretation under § 112, ¶6 has the burden of  
13 showing that the claim "fails to recite sufficiently definite  
14 structure or recites a function without reciting sufficient  
15 structure for performing that function." CCS Fitness Inc v  
16 Brunswick Corp, 288 F3d 1359, 1369 (Fed Cir 2002) (internal  
17 citations omitted). Furthermore, this presumption is "a strong one  
18 that is not readily overcome." Lighting World, Inc v Birchwood  
19 Lighting Inc, 382 F3d 1354, 1358 (Fed Cir 2004).

20 Defendants assert that it is "impossible for one  
21 ordinarily skilled in the art to identify what materials are being  
22 claimed." Markman Hearing, defendants' slide 72. However,  
23 defendants do not point to any evidence, expert testimony or  
24 otherwise, in support of that assertion. Doc #60 at 22-23, Doc #68  
25 at 11. Instead, defendants argue that plaintiffs rely improperly  
26 on Dr Kiser's testimony that the claim does recite sufficient  
27 structure. Doc #68 at 11. This argument is flawed because it is  
28 defendants who have the burden, not plaintiffs. Because defendants

1 do not demonstrate that the claim "fails to recite sufficiently  
2 definite structure or recites a function without reciting  
3 sufficient structure for performing that function," the court need  
4 not address Dr Kiser's testimony to construe this claim.

5 Accordingly, the court adopts plaintiffs' proposed  
6 construction, and construes a dried non-volatile indicating element  
7 as "an immobilized indicating element that does not readily  
8 evaporate at normal temperatures and pressures and has had excess  
9 liquid removed but which may contain some water." Doc #45 at 16.

10  
11 5. aqueous alkaline solution

12 The parties agree that "alkaline" means "a pH greater  
13 than 7." Doc #68 at 15 n8. Defendants point to several  
14 authorities that demonstrate that the term "aqueous solution," as  
15 it first appears in claim 21, is a term of art in chemistry that  
16 defines a solution where water is the primary solvent. Doc #68 at  
17 15; Doc #60 Ex 9 at 142, Ex 10 at 37, Ex 11 at 330 Ex 12 at 28.  
18 Accordingly, the court adopts defendant's construction, and  
19 construes aqueous alkaline solution as "a solution of liquid water  
20 and one or more solutes, the solution having a pH greater than 7."

21 At oral argument, defendants argued that accepting their  
22 construction of "aqueous solution" requires the court to accept  
23 their construction of "aqueous indicating composition," as  
24 "functions in liquid water." Doc #68 at 12. This argument is  
25 flawed, however, because defendants fail to show that "aqueous  
26 indicating composition," is related to the term of art of "aqueous  
27 solution." Thus, the court's construction of "aqueous indicating  
28 composition" as a phrase in which the adjective "aqueous" modifies

1 the term "indicating composition" does not conflict with its  
2 construction of "aqueous solution" as a term of art.

3  
4 6. produces a response for a second predetermined period of time  
5 longer than said first predetermined period of time when the  
6 composition is exposed only to concentrations of carbon  
7 dioxide of no more than about 0.03%

8 Plaintiffs contend that this limitation, first recited in  
9 claim 21, does not require a limiting construction of "the first  
10 predetermined period of time," "the second predetermined period of  
11 time" and "a response." Plaintiffs' most convincing argument rests  
12 upon the doctrine of claim differentiation. Doc #45 at 22. For  
13 example, claim 25 (a dependent claim of claim 21) requires the  
14 "second predetermined period of time" to be "longer than 10  
15 minutes." Therefore, the "second predetermined period of time" in  
16 claim 21 must include periods other than those longer than 10  
17 minutes.

18 Defendants propose a more limited construction based on  
19 the specification such that "the second predetermined period of  
20 time" is approximately ten minutes and "a response" is a false  
21 positive. Doc #60 at 26. Additionally, defendants argue that if  
22 plaintiffs' broad construction is adopted, the claim is indefinite  
23 and invalid. Doc #68 at 15-16.

24 Whatever the merit of defendants' invalidity argument,  
25 claim construction is a distinct issue, and the court may not  
26 import unclaimed limitations from the specification to put a saving  
27 construction on a claim. EI du Pont, 849 F2d at 1433.

28 Accordingly, the court construes this limitation according to the  
plain meaning of the claim language in light of the doctrine of

1 claim differentiation.

4 IV

5 The '002 patent

6 The terms construed above for the '075 patent are  
7 identically construed for the '002 patent. Additional terms in the  
8 '002 patent also require construction. Claim 1 is illustrative:

9 Apparatus for determining whether a gaseous  
10 sample contains a predetermined concentration  
of carbon dioxide, comprising:

11 means for introducing the gaseous sample into  
12 an enclosure;

13 dry reagent detector means within the enclosure  
for producing a response to the presence of  
14 said predetermined concentration of carbon  
dioxide in the sample, said detector means  
15 comprising a carrier having a aqueous  
indicating composition applied thereto, said  
16 indicating composition providing an indication  
of the presence of said predetermined  
concentration of carbon dioxide in the sample  
17 within a diagnostically effective period of  
time when the carbon dioxide concentration in  
18 the sample is at least about 2% and providing  
said indication after about ten minutes when  
19 the carbon dioxide concentration in the sample  
is about 0.03%.

20  
21 1. means for introducing the gaseous sample into an enclosure

22 The parties agree that this limitation should be  
23 construed under 35 USC § 112, ¶6. Doc #68 at 16. Defendants argue  
24 that the term "enclosure" should be limited to describe "a  
25 structure capable of collecting a suitable sample of gas to be  
26 tested." Doc #68 at 16. Plaintiffs seek a plain meaning  
27 interpretation, but contend that the corresponding structure  
28 "includes the enclosure depicted in figure 1 and the structure of a

double ended enclosure with openings on each end that is described at column 2, lines 25-57." Because there does not appear to be a significant disagreement between the parties, the court adopts defendant's proposal and construes the limitation as, "the structures and materials described and illustrated in the specification for performing the function of introducing the gaseous sample into a structure capable of collecting a suitable sample of gas to be tested."

2. means responsive to said change in pH for providing an indication within a predetermined period of time of the presence of said predetermined concentration of carbon dioxide in the sample and providing said indication after about ten minutes when the concentration of carbon dioxide in the sample is substantially less than said respiratory concentration.

The parties agree that this limitation to claim 23 should be construed under 35 USC § 112, ¶6 and that the court is tasked with (1) identifying the claimed function and (2) identifying the corresponding structures disclosed in the specification for performing that function. Kemco Sales, Inc v Control Papers Co, Inc, 208 F3d 1352, 1361 (Fed Cir 2000). The court construes the function of this limitation to be (1) providing an indication within a predetermined amount of time \* \* \* and (2) providing said indication in about 10 minutes when the concentration of carbon dioxide in the sample is substantially less than said respiratory concentration. Therefore, the structures disclosed in the specification are within the scope of this claim if, and only if, the specification adequately describes and links the structure(s) to the claimed function. Medical Instrumentation & Diagnostics Corp v Elekta AB, 344 F3d 1205, 1211 (Fed Cir 2003).

1 Defendants contend that the corresponding structures  
2 listed in the patent that perform this function are "water soluble  
3 indicators," which are recited in column 6, lines 56-69 of the  
4 patent. Doc #60 at 29. Plaintiffs assert that the pH indicators  
5 disclosed in column 7, lines 1-24 are the proper corresponding  
6 structures. Doc #45 at 24. Additionally, plaintiffs ask the court  
7 to consider expert testimony as to whether one skilled in the art  
8 would understand that the structures in column 7 perform the  
9 claimed function. Doc #45 at 24.

10 "Corresponding structure need not include all things  
11 necessary to enable the claimed invention to work. It is equally  
12 true, however, that corresponding structure must include all  
13 structure that actually performs the recited function." Cardiac  
14 Pacemakers, Inc v St Jude Medical, Inc, 296 F3d 1106, 1119 (Fed Cir  
15 2002). Defendants argue that the corresponding structure must  
16 include a "chemical treating composition," as disclosed in column  
17 6, lines 56-54. Defendants also ask the court to construe "means  
18 responsive to said change in pH for providing an indication \* \* \*"  
19 to exclude the "suitable pH-sensitive indicators" recited in the  
20 specification in favor of "suitable chemical treating  
21 composition[s]." Doc #68 at 17.

22 It is well established that the corresponding structure  
23 to a function must actually perform the recited function, and "not  
24 merely enable the pertinent structure to operate as intended."  
25 Asyst Techs, Inc v Empak, Inc, 268 F3d 1364, 1371 (Fed Cir 2001).  
26 Thus, in order to determine whether defendants' asserted chemical  
27 compositions are corresponding structure, the inquiry is whether  
28 the chemical treating compositions enable the performance of the

1 claimed function within the time limitations set forth in the  
2 claim, or whether they perform it themselves.

3           Although Kemco Sales does assign the court -- as part of  
4 claim construction -- the task of determining which corresponding  
5 structures are associated with a means-plus-function limitation  
6 during claim construction, the court notes the pertinent inquiries  
7 regarding corresponding structures may be inherently factual and  
8 ill-suited to determination as a matter of law. Here, the issue is  
9 one of fact, namely: do the disclosed structures merely enable the  
10 claimed function to be performed or do they perform it themselves?

11           For this limitation, it is impossible for the court to  
12 identify the corresponding structures short of a full-blow inquiry  
13 into arguments of invalidity for lack of enablement. Patent claims  
14 are presumed valid, and "[i]nvalidity for lack of enablement is a  
15 conclusion of law [that] must be supported by facts proved by clear  
16 and convincing evidence." Northern Telecom, Inc v Datapoint Corp,  
17 908 F2d 931, 941 (Fed Cir 1990). Accordingly, at this time, the  
18 court defers the identification of the corresponding structures by  
19 line number and instead adopts plaintiffs' construction after  
20 removing the equivalents language: "the structures and materials  
21 described and illustrated in the specification for performing the  
22 function of providing an indication within a predetermined period  
23 of time of the presence of said predetermined concentration of  
24 carbon dioxide in the sample and providing said indication after  
25 about ten minutes when the concentration of the carbon dioxide in  
26 the sample is substantially less than said respiratory  
27 concentration."  
28

1     3.     detector means

2             Claim 1 recites a "dry reagent detector means \* \* \* for  
3 producing a response to the presence of said predetermined  
4 concentrations of carbon dioxide in the sample." Claim 24 recites  
5 "detector means \* \* \* for responding to the presence of the  
6 predetermined concentration of carbon dioxide." The presence of  
7 the word "means" in a claim limitation creates a rebuttable  
8 presumption that the claim element should be construed under 35 USC  
9 § 112, ¶6 as a means-plus-function element. Linear Technology Corp  
10 v Impala Linear Corp, 379 F3d 1311, 1319 (Fed Cir 2004).

11             Plaintiffs argue that sufficient structure is recited in  
12 the language following the means-for language to overcome the  
13 presumption that § 112, ¶6 applies. Doc #45 at 24. Specifically,  
14 plaintiffs point to two phrases as denoting structure: (1) "a  
15 carrier having an aqueous indicating composition applied thereto"  
16 in claim 1; and (2) "a carrier to which a non-volatile indicating  
17 composition has been applied" in claim 24. Id.

18             To determine whether a term denotes sufficient structure,  
19 a court should inquire into whether "a term, as a name for the  
20 structure, has a reasonably well understood meaning in the art."  
21 Watts v XL Sys, 232 F3d 877, 881 (Fed Cir 2000). Neither party has  
22 presented evidence on whether "carrier" (claims 1 and 24) has a  
23 reasonably well understood meaning in the art that denotes  
24 structure or a class of structures. Plaintiffs point to other  
25 construed terms to argue that the indicating composition terms  
26 would denote sufficient structure to one of reasonable skill in the  
27 art. Doc #45 at 24.

28             Plaintiffs argue that "non-volatile indicating



1 composition" in claim 1 should be construed consistently with  
2 "dried non-volatile indicating element" in claim 18 of the '075  
3 patent. But the court construes claim 18 of the '075 patent in  
4 view of the burden on defendants, whereas the construction sought  
5 by plaintiffs in claim 1 of the '002 patent places the burden on  
6 plaintiffs. The court's construction of claim 18 of the '075  
7 patent does not establish that the term "non-volatile indicating  
8 element" was a name for a structure sufficiently well understood by  
9 those skilled in the art. And in any event, "dried non-volatile  
10 indicating element" is not the same term as "non-volatile  
11 indicating composition." By relying upon the court's construction  
12 of a claim 18 of the '075 patent in isolation, plaintiffs have not  
13 met their burden with respect to the term "non-volatile indicating  
14 composition."

15 "Aqueous indicating composition" is construed in claim 1  
16 of the '075 patent as "an indicating composition containing some  
17 water." Plaintiffs rely upon this construction to overcome the  
18 presumption that "detector means" in claim 24 is a means-plus-  
19 function limitation. But the only structure supplied in this  
20 construction is "containing some water," shedding no light on  
21 whether the term "indicating composition" would denote sufficient  
22 structure to one of reasonable skill in the art. Therefore, the  
23 court finds that plaintiff has not overcome the presumption that  
24 the term "detector means" in claim 24 of the '002 patent should be  
25 construed pursuant to 35 USC § 112, ¶6.

26 Accordingly, the court construes the "dry reagent  
27 detector means" of claim 1 and the "detector means" of claim 24 to  
28 be limited to those structures and materials described in the '002

1 patent specification and figures that are disclosed as performing  
2 the plain meaning functions described in those claims, subject to  
3 the additional limitations listed in each claim.

4  
5 V

6 Because the court has not relied upon Dr Kiser's expert  
7 declaration, the motion to strike portions of Dr Kiser's  
8 declaration (Doc #70) is TERMINATED as moot.

9  
10 IT IS SO ORDERED.

11 

12  
13 VAUGHN R WALKER  
14 United States District Chief Judge  
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